

Baker

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July 30, 1992

Commanding Officer
Atlantic Division
Naval Facilities Engineering Command
Norfolk, Virginia 23511-6287

Attn: Mr. Byron Brant
Code 1822

Re: Contract N62470-89-D-4814
CTO-0106
Trip Report for MCB Camp Lejeune Project Plans
Site Visit

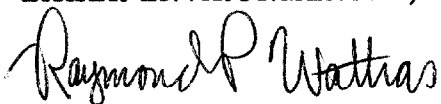
Dear Mr. Brant:

Attached is a copy of the trip report describing the events and findings of the site visit conducted by Baker Environmental, Inc. on June 16, 1992 at MCB Camp Lejeune. Included with the trip report is a copy of the set of photographs taken during the visit.

If you have any questions or comments regarding the information in the attached report, please contact me at (412) 269-2016.

Sincerely,

BAKER ENVIRONMENTAL, INC.



Raymond P. Wattras
Project Manager

RPW/rw
Attachment

cc: Mr. George Radford
Mr. Marc Lambert, P.E.

**TRIP REPORT
MCB CAMP LEJEUNE
CTO-0106**

INTRODUCTION:

On June 16, 1992, a site visit was conducted at MCB Camp Lejeune (specifically Sites 2, 21, 24, 74 and 78) by a Baker Environmental, Inc. project team. Team members included Matt Bartman, Coreen Casadei, Tammi Halapin, Joy Marshall, Mike Nutting, and Don Shields. The purpose of the visit was to give each of the team members an opportunity to visually inspect each of the five sites. Therefore, information necessary for scoping the work activities associated with the RI/FS project plans for the sites could be obtained.

Relevant observations and events for each site are summarized below:

SITE 2 - Former Nursery/Day Care Center:

M. Bartman, C. Casadei, T. Halapin, J. Marshall, M. Nutting and D. Shields met at the Days Inn in Jacksonville, NC at 7:00 am to briefly discuss the proposed site visits and the field geophysical surveys. We proceeded to the base.

We arrived at Site No. 2 at 7:30 am. The former chemical storage building (pesticide mixing area) and former day care center is currently being used as a civilian personnel office. We evaluated the site, including the mixing pad, the wash pad and the former storage area. We noted very little to no water in the ditch adjacent and west of the railroad tracks north of Brewster Blvd. The ditch on the east side of the railroad tracks had considerably more water. There was vegetation in the ditch channels but no vegetation on the tracks. South of Brewster Blvd., the ditch on both sides of the railroad tracks was 2' to 3' wide and up to 1.5' deep with standing water. There was no vegetation in this part of the ditch but it did have a considerable amount of tadpoles living in it. The former storage area appeared to have waste asphalt intermittently placed and spread on it. Photographs #1 through #8 were taken at this site. The photographs are attached to this trip report.

SITE 78 - Hadnot Point Industrial Area:

The next stop (approximately 8:15 am) was the Hadnot Point Industrial Area (HPIA). We visually inspected the exterior of Buildings 1202, 1300, 1107, and 1100. These buildings may have underground storage tanks located nearby. Photographs #9 through #11 were taken of Building 1202 - the photos were of: the stressed vegetation near the corner of the building; the area where a suspected UST may be or formerly may have been (no visible evidence); and the kerosene drums within this area.

Along the entire south-southeastern side of Building 1300, we noted asphalt pavement cover. In addition, we noted a paint locker and a few drums labeled as waste freon. Upon observation, the drums were empty, open top, with no covers nearby. Photograph #12 was taken of the waste freon area and paint locker. An odor (possibly like lighter fluid) was noted at the southern corner of the building. A photo (#13) of the area near soil sample HPSB-11 was taken. Note that a Burger King is located north-northwest of the building.

At Building 1102, a photograph of a drum labeled as hazardous waste within an uncontained drum storage area located between Buildings 1102 and 1103 was taken. We were questioned at Building 1100 by Marine Corps Personnel. M. Bartman (Baker) talked to a Capt. McGrath on the phone in Building 1100 regarding our visit. Capt. McGrath said that in the future he would appreciate a courtesy call prior to our visits. Please note that the Baker team received permission from George Radford (Camp Lejeune Environmental Management Department) prior to conducting the site visit. Underground storage tanks are suspected at Building 1100. There are metal caps in the pavement surrounding the building (resembling tank filling/access covers) and what appeared to be 4 pipe vents running up the side of Building 1100. Drums of ethylene glycol are currently being stored between Buildings 1111 and 1100. The drums are surrounded by a one foot high sand bag barrier. Due to the attention and the questioning we received at this building, no photographs were taken.

In addition, Building 1202 was evaluated for the field geophysical field survey that was to take place in the next few days.

While D. Shields, M. Bartman, C. Casadei, and T. Halapin finished reviewing Site 21, J. Marshall and M. Nutting drove to the 900 buildings to try to identify the location of a suspected UST. It was believed that the UST had been associated with Building 901, however there was no indication at the site that there is/was a UST in this area. One of the employees at Building 901, who had worked there for nearly 20 years, indicated that he has never been aware of a UST that was associated with the building. In addition, he indicated that he thought there was a UST further away from Building 901 near the railroad tracks. Remnants of an above-ground storage tank (AST) were found in this area but no real indication that a UST was located in this same area. The areas associated with Buildings 902 and 903 were also examined, as with Building 901 no real evidence of a UST was apparent. However, since previous soil data indicated contamination between Buildings 902 and 903, it seemed likely that if there was a tank in this area it would probably be in the area of these two buildings. The area will be further evaluated during the geophysical survey that was to be performed within the next couple of days. The group met near Building 902.

SITE 21 - Former Transformer Storage Lot 140:

From HPIA we traveled to a more remote site, Site No. 21 (Storage Lot 140), where contact with military personnel would not be as frequent. The site is west of the fuel farm (Site 22). It is accessed by two dirt roads bordering both the east and west sides of the site which meet at the northern end. We potentially identified the former oil disposal pit area (Photographs #15 through #18). An oily, slimy looking residue was noted in this "pit" area. Fire ants were also noted.

The "potential" drainage ditch leading to Bear Head Creek was dry. From site observations, it is doubtful that this is a ditch that would carry run off from the site to Bear Head Creek. It is an earthen ditch running along side the railroad tracks and the dirt road. In a previous site visit by Baker personnel, water in the portion of this ditch near Site 21 was draining to the south and not to the north.

Site 21 had some orange leachate draining into the northeast side of the ditch bordering the north side of the site. This water-filled ditch had many tadpoles present. Photograph #23 was taken of the drainage ditch facing toward to the north - facing the 900 buildings.

Within the fenced portion of Site 21, we noted that several drums stored on wooden pallets were ready to fall from their stacked position (Photographs #19 and #20). From a previous site visit, T. Halapin was informed that these drums contain soil cuttings from the base.

Two photographs (#21 and #22) were taken outside the fenced-in area at the southern end of Site 21. This is the area where pesticide mixing activities reportedly took place. Large refrigeration boxes are presently stored in this area. Note that large mounds of fire ants were noted in this area. A car wash facility is located directly west of this portion of the site.

EMD OFFICE - CHECK IN WITH GEORGE RADFORD:

After reviewing Site 21, we proceeded to the Environmental Management Department office where we met George Radford and Debra Pickett. We told George that we were questioned at Building 1100 and therefore wanted to check in with him before going around any other buildings within HPIA. George said that he already received a phone call regarding our visit. He said that we were not doing anything wrong and to continue on with our site visit. He would handle any complaints. He said that he was not going to inform every building within HPIA that we may be looking around - it would involve too many people to try to inform.

T. Halapin asked George a few questions regarding the site visit/project plans. George's replies: (1) Water supply well information can be obtained from Stanley Miller (ext. 2069 or ext. 1081) - he is the head of the water treatment systems. (2) Plans for USTs - one TCE UST is to be removed. If any other tanks are found - provisions will be made to remove them. (3) CLEJ will sample the soils under any removed tank. (4) The railroad tracks within MCB CLEJ are owned by CLEJ. (5) Pesticides are applied by CLEJ Base Maintenance near and/or around the railroad tracks.

SITE 24 - Industrial Area Fly Ash Dump:

From George's office, Debra Pickett went with us to Site 24. A four-wheel drive vehicle was necessary to drive around the site. M. Bartman and C. Casadei waited in the rented mini van and the remainder of the group accompanied Debra through Site 24. The majority of this site visit was a walk through. Five of the seven existing monitoring wells were located during the walk through. In addition, the drainage ditches to Cogdels Creek were also identified. This site is large and heavily wooded which made it difficult to get bearings at where you were at all times. A recent construction project is ongoing at the area of the site north of Monitoring Well 24GW1. Black sand-like material was noted throughout the site. Limited areas of other debris consisting of construction rubble, metal scraps, glass, etc. was found throughout the site. In addition to the site visit, the area was evaluated for the field geophysical survey that was to be performed within the next few days. After viewing the western and southern-most areas of the site, the group met up with M. Bartman and C. Casadei and then we all continued over to the portion of Site 24 where the spiractor disposal area was noted. Surface debris consisting of black sand-like material was observed in the area, but no visual signs of spiractor sludge were noted.

After visiting Site 24, the group took a short break for lunch then went to pick up the vehicle passes for the remainder of the week.

SITE 74 - Mess Hall Grease Disposal Area:

Debra left us around 3:30 pm after locating Site 74 with T. Halapin. Access to Site 74 from the main gate is the first left off of Holcomb Blvd., from Wallace Creek it is the third right off of Holcomb Blvd. Site 74 is relatively flat and heavily vegetated. We walked through the woods trying to find the existing wells. We found well 74GW1 adjacent and east of the dirt road that borders the 'suspected' former grease disposal trench (Photograph #24). Well 74GW2 was found adjacent and north of the access road from Holcomb Blvd. It is directly behind a utility pole marked with a sign that reads "RA". Both wells were marked with flagging tape. We were unable to locate well 74GW3. Subsidence holes were found west of the dirt road. The largest hole measured approximately 5' by 3' by 2.5' deep. This hole appeared to have a rusted, open drum laying on its side. We photographed the hole and continued our investigation (Photos #25 and #26). Other holes were found near the larger hole.

One depression measured approximately 3' in diameter and was about 1.5' deep (Photo #27). Nothing unusual was observed in this hole. A few depressions were also found near the intersection of the access road and the dirt road. The dirt road contained large deep puddles that covered the width of the road. Another road not shown on our mapping broke off west of the dirt road, looped around the heavily puddled areas and reconnected with the dirt road. Both the dirt road and the road not shown on the mapping appear to be regularly traveled from the tire tracks on the road. Also, the site appears to be periodically populated by humans judging from some of the debris found at the site.

The woods east of the dirt road contained trees that had utility line holders and empty switch boxes. Potable Public Supply Well 654 is located south of the access road. A motor was heard running from the well house (Photo #29) so we assumed that it was an operational well. The former pest control area had no obvious features that distinguished it as a hazardous area (Photo #30). Upon leaving the site we drove to Hendersen's pond, a public fishing area on the base, to measure how close it was to site 74. The pond is about 0.4 miles from site 74. In addition Site 74 was evaluated for the field geophysical survey that was to take place in the next few days.

OTHER HPIA AREAS:

From Site 74 we conducted drive by investigations of Buildings 1601, 1502, 1709, and Cogdels Creek. These were only drive by visits since the time was approaching 5:30 pm and the group had to leave for the airport shortly. At Building 1601, there appeared to be a UST located along the southeastern side of the building. At Building 1502, there was evidence of suspected USTs along the northern side and southeastern side of the building. No evidence of USTs were identified at Building 1709 - at least no signs from what could be seen from the mini van. We drove along Louis Road and then the Main Service Road to view Cogdels Creek. The creek was much narrower (less than five feet wide) than expected. The group left the site and headed for the airport.

TAH/rw



SITE 2

#1

MIXING PAD WITH
WATER TREATMENT PLANT
IN BACKGROUND

MCB CAMP LEJELNE



NO
PARKING

NO
METAL
FOOD

NO
PARKING

NO
METAL
FOOD

#2

SITE 2

SIDE LOT,
HOLCOMB BLVD IN BACKGROUND

MCB CAMP LEJELNE



3

SITE 2

MONITORING WELL ZGW-1

MCB CAMP LEJELNE



#4

SITE 2

WASH PAD;

RR TRACKS BEHIND

MCB CAMP LE JEUNE



SITE 2

#6

DRAINAGE DITCH (FACING NORTH)

MCB CAMP LEJEUNE



SITE 2

11

DRAINAGE DITCH;
FACING SOUTH

INCB CAMP LEJEUNE



SITE 2

#7

STORAGE AREA (DON SHIELDS)

MCB CAMP LEJEUNE



• SITE 2

#18

ASHALPT W/IN STORAGE
AREA,

BACKGROUND - TREATMENT
PLANT (WATER)

N/CB CAMP LEJEUNE



SITE 78 (HP1A)

7

BLDG 1202

STRESSED VEGETATION -
AT CORNER OF BLDG

MCB CAMP LEJEUNE



SITE 78 (HP/A)

#10

BUILDING 1202

- Bay w/ SUSPECTED CST

MCB CAMP LEJEUNE



SITE 78 (HP/A)

11

BLDE 1202

KEROSENE DRUMS IN
BAY AREA

MCB CAMP LEJEUNE

IN CASE OF AN
OIL OR HAZARDOUS MATERIAL SPILL
CALL BASE FIRE DEPARTMENT
ON BASE 3033 — OFF BASE 401-2333

Report Spill Via _____ Substance Spilled and Estimated Quantity
Do not wash down with water — Keep personnel out of area —
Block runoff with earth materials to prevent spreading unless
instructed.

NO SMOKING

WASTE
FREON

OIL

ONLY

DREW GARDL 4885
480-159-7
542-37-495

WASTE
OIL

ONLY

AMMONIA

SITE 78 (HP1A)

12

BLDG 1300

- WASTE FREON STORAGE
AND PAINT LOCKER

MCB CAMP LEJEUNE



SITE 78 (HP/A)

#13

BLDG 1300 (ALSO SOIL

SAMPLE HPSB-11 AREA)

MCB CAMP LEJELNE



MLT001210231

DOO1

V.M.+P
NAPHTHA
XYLENE

HAZARDOUS
WASTE

PICKING
LIST
ENCLOSED

SITE 78 (HP1A)

#14

BLDG 1107

(IN BETWEEN BLDGS 1102 & 1103)

- HAZ WASTE DRUM
W/IN STORAGE AREA

MCB CAMP LEJEUNE



SITE 21

#15

PCB OIL PIT

MCB CAMP LE JEUNE



SITE 21

#16.

PCB CIL P17

MCB CAMP LEJEUNE



SITE 21

#17

PCB OIL PIT

MCB CAMP LEJEUNE



<>ITE 21

#12

-CLOSE UP -

OILY RESIDUE IN OIL PIT

MCB CAMP LEJEUNE



SITE 2.1

19

- DRUMS (SOIL CUTTINGS)
WITHIN LOT 140

MCB CAMP LEJEUNE



SITE 21

± 70

- DRUMS (SOIL CLTINGS)
W/IN LOT 140
(BROKEN PALLETS)

MCB CAMP LEJEUNE



SITE 21

21

- LOT 140,
SOUTHERN END

MCB CAMP LEJEUNE



SITE 21

#22

- LOT 140;

SOUTHERN END

MCB CAMP LEJEUNE



SITE 21

#23

- DRAINAGE DITCH -
(FACING NORTH)

MCB CAMP LEJEUNE



SITE 74

#24

- WATER FILLED PIT?
- (FACING MAIN ROAD)

MCB CAMP LEJEUNE



SITE 74

* 5

- SINK HOLE
(~ 4' x 6')

MCB CAMP LEJEUNE



SITE 74

#26

RUSTED DRUM REMNANT
IN SINK HOLE

MCB CAMP LEJEUNE



SITE 74

#27

- SECOND (SMALLER)
SINK HOLE

MCB CAMP LEJEUNE



SITE 74

#29

PUMP BUILDING 654

MCB CAMP LEJEUNE



SITE 74

1,1

- PESTICIDE AREA CN. LEFT?
(NEAR TELEP POLE)

M/CB CAMP LEJEUNE